

FIG. 1

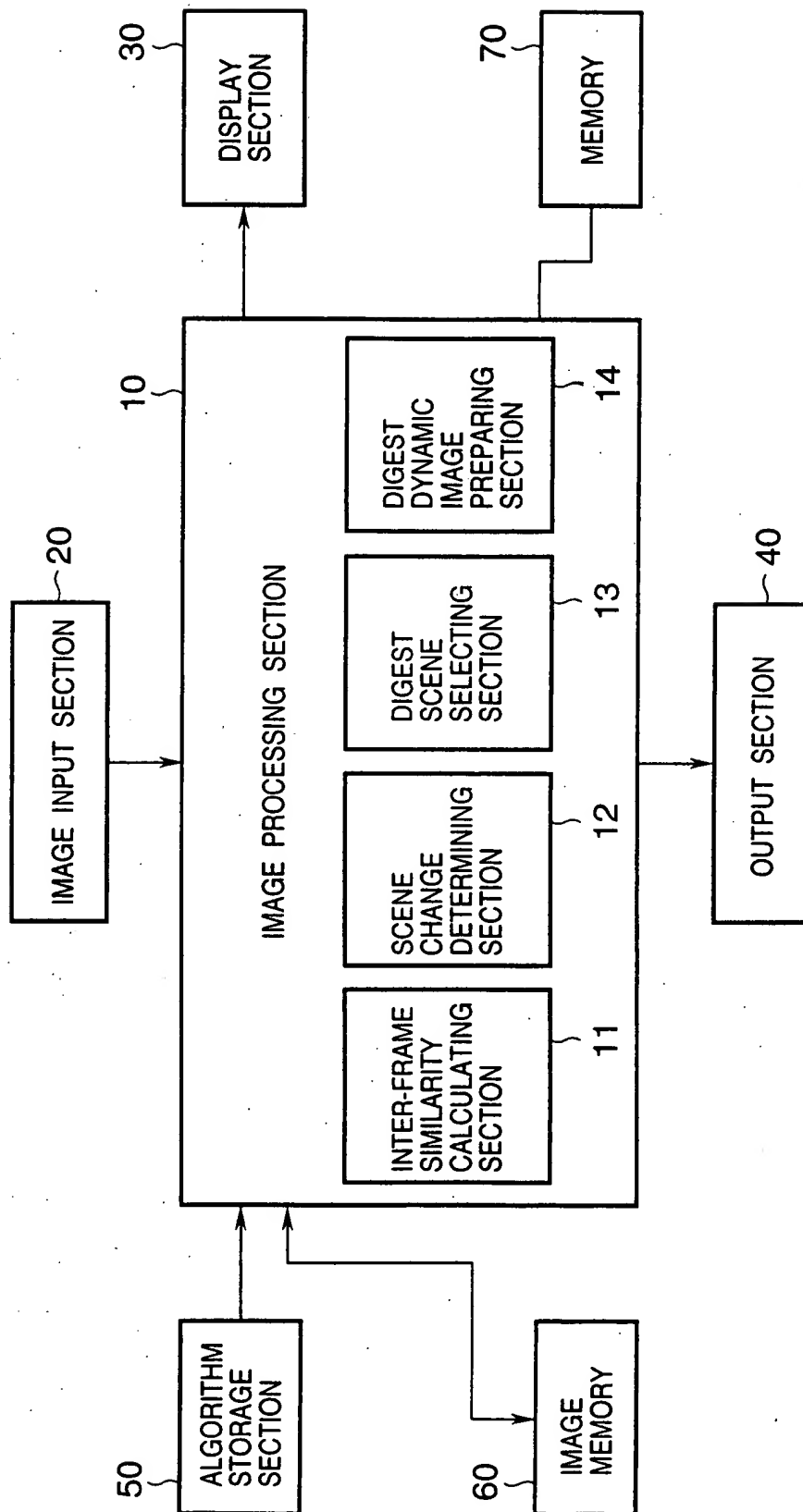


FIG. 2

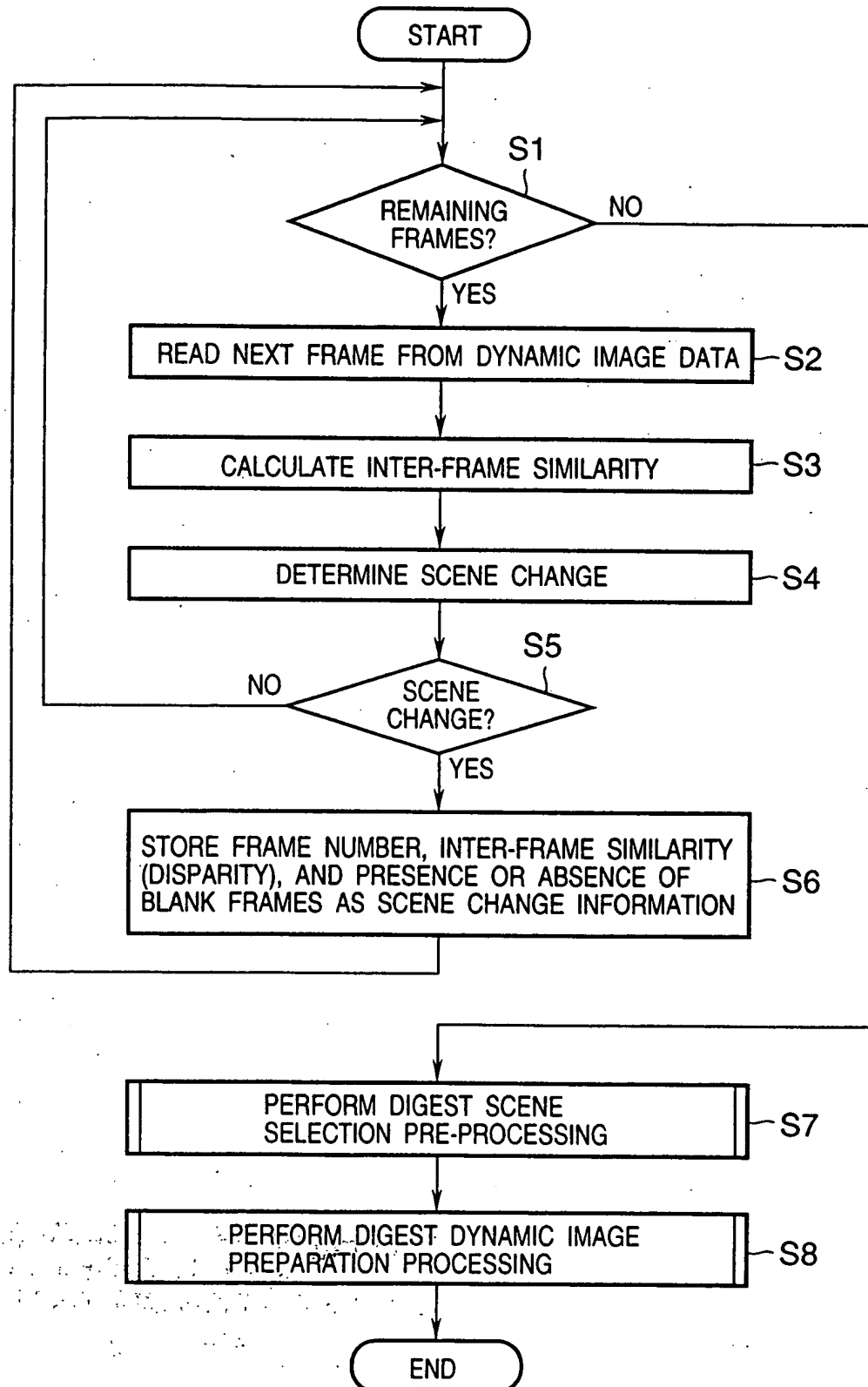


FIG. 3

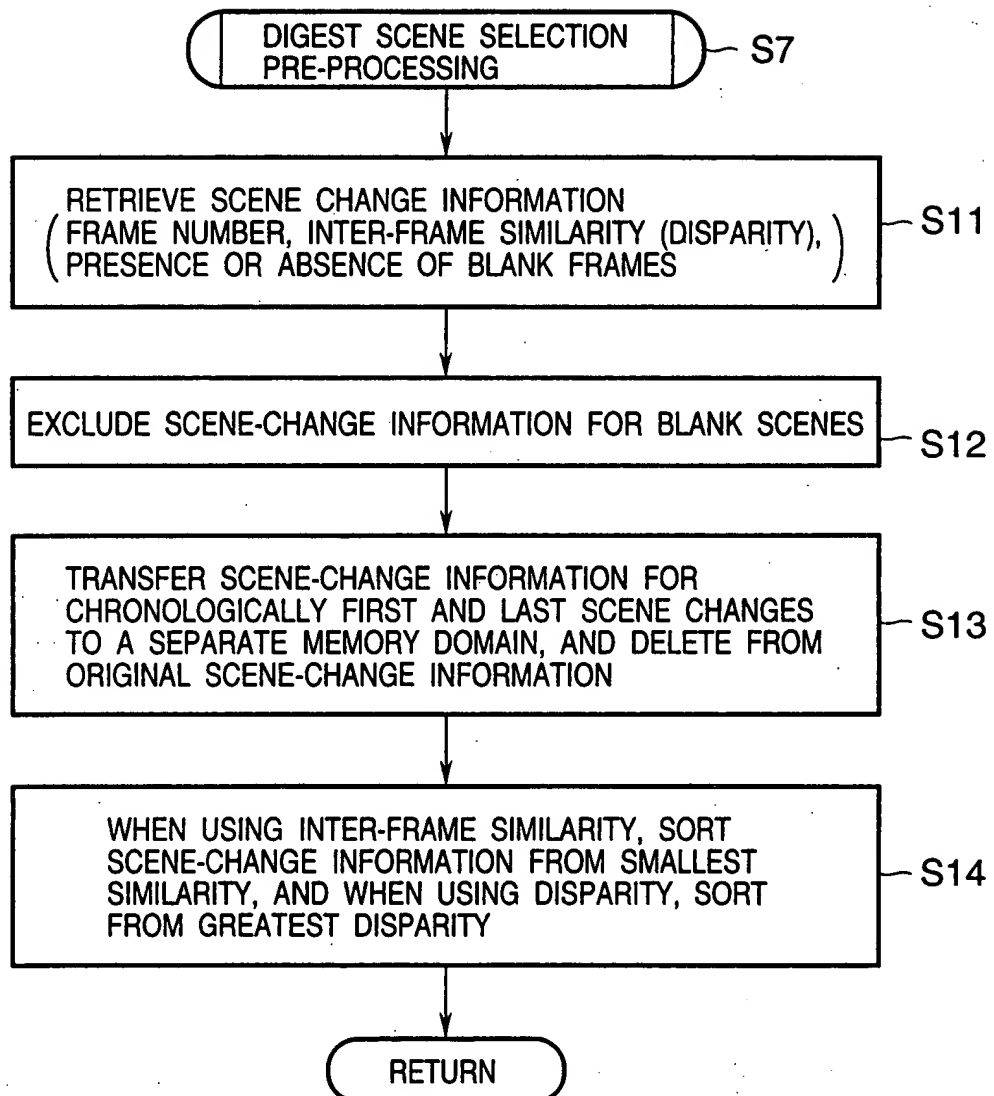


FIG. 4

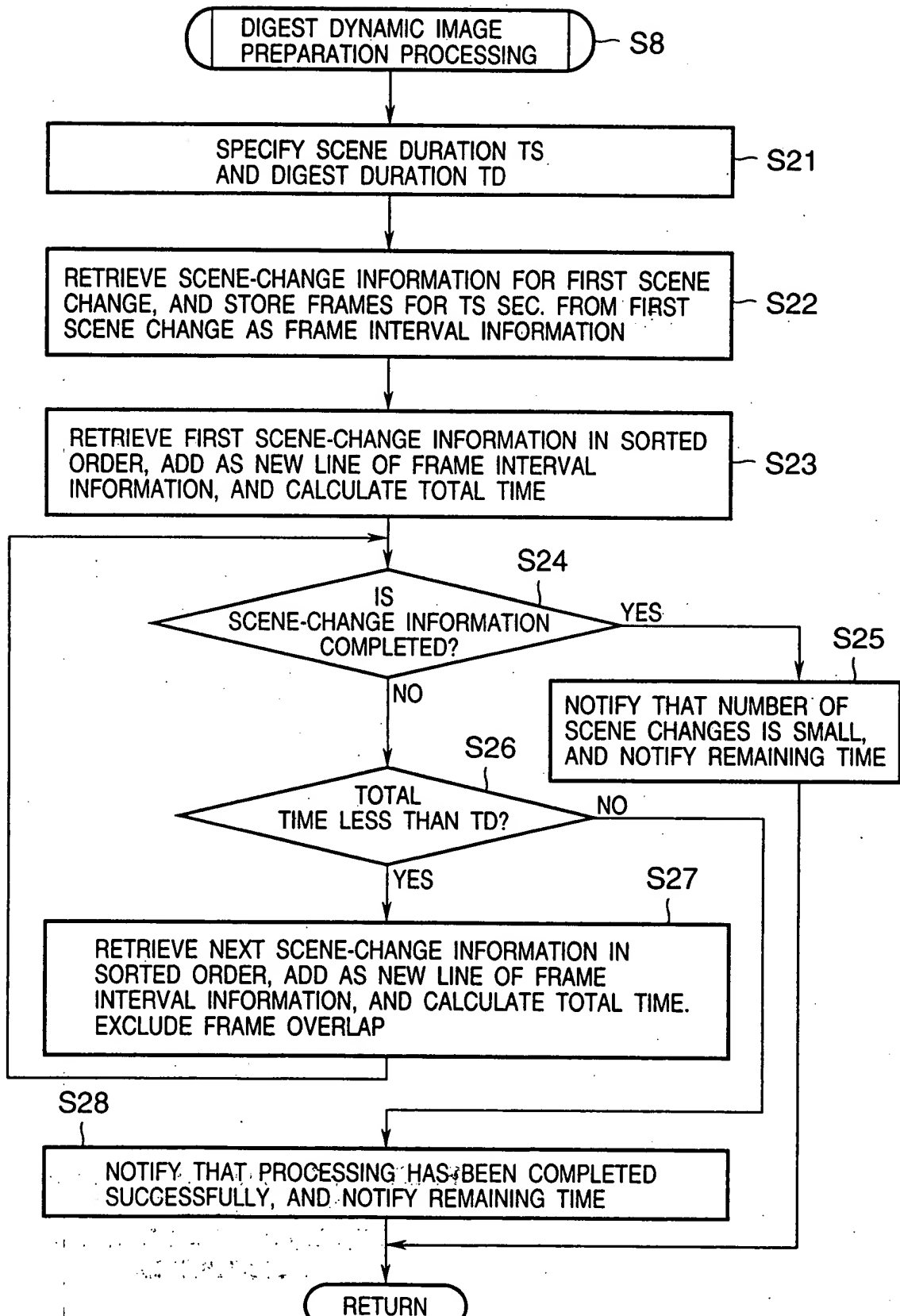


FIG. 5

| SCENE CHANGE ID | INITIAL FRAME | FINAL FRAME | MAGNITUDE | BLANK FLAG |
|-----------------|---------------|-------------|-----------|------------|
| 0               | 0             | 9           | 100       | 1          |
| 1               | 10            | 15          | 50        | 0          |
| 2               | 16            | 35          | 80        | 0          |

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## FIG. 6

| SCENE NUMBER | INITIAL FRAME | FINAL FRAME |
|--------------|---------------|-------------|
| 0            | 10            | 15          |
| 1            | 30            | 35          |

000120-18720560

FIG. 7

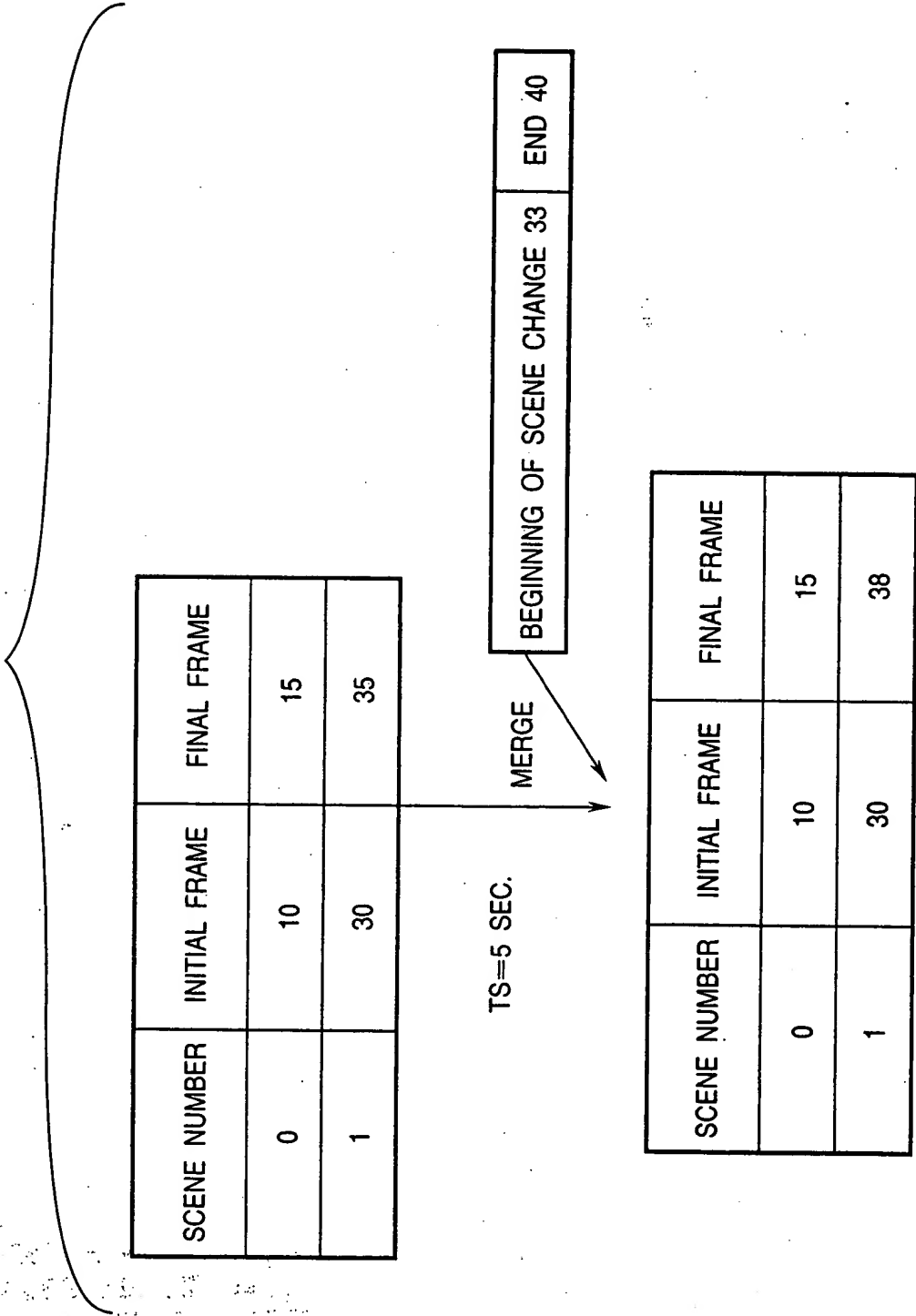


FIG. 8

| SCENE NUMBER | INITIAL FRAME | FINAL FRAME |
|--------------|---------------|-------------|
| 0            | 10            | 15          |
| 1            | 30            | 35          |

TS=5 SEC.

MERGE

END 23

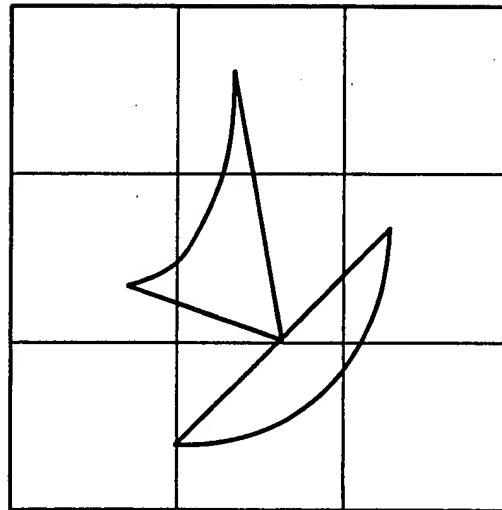
BEGINNING OF SCENE CHANGE 20

| SCENE NUMBER | INITIAL FRAME | FINAL FRAME |
|--------------|---------------|-------------|
| 0            | 10            | 15          |
| 1            | 20            | 23          |
| 2            | 30            | 35          |



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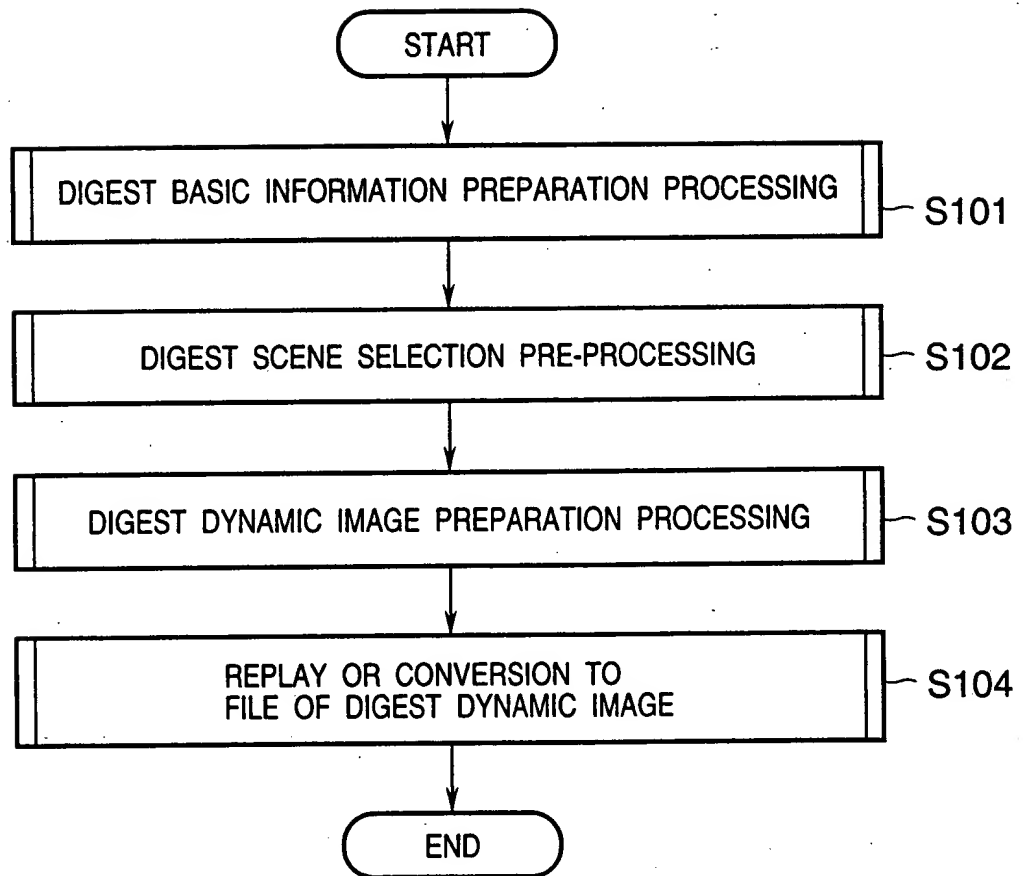
**FIG. 9**



001120-18420560

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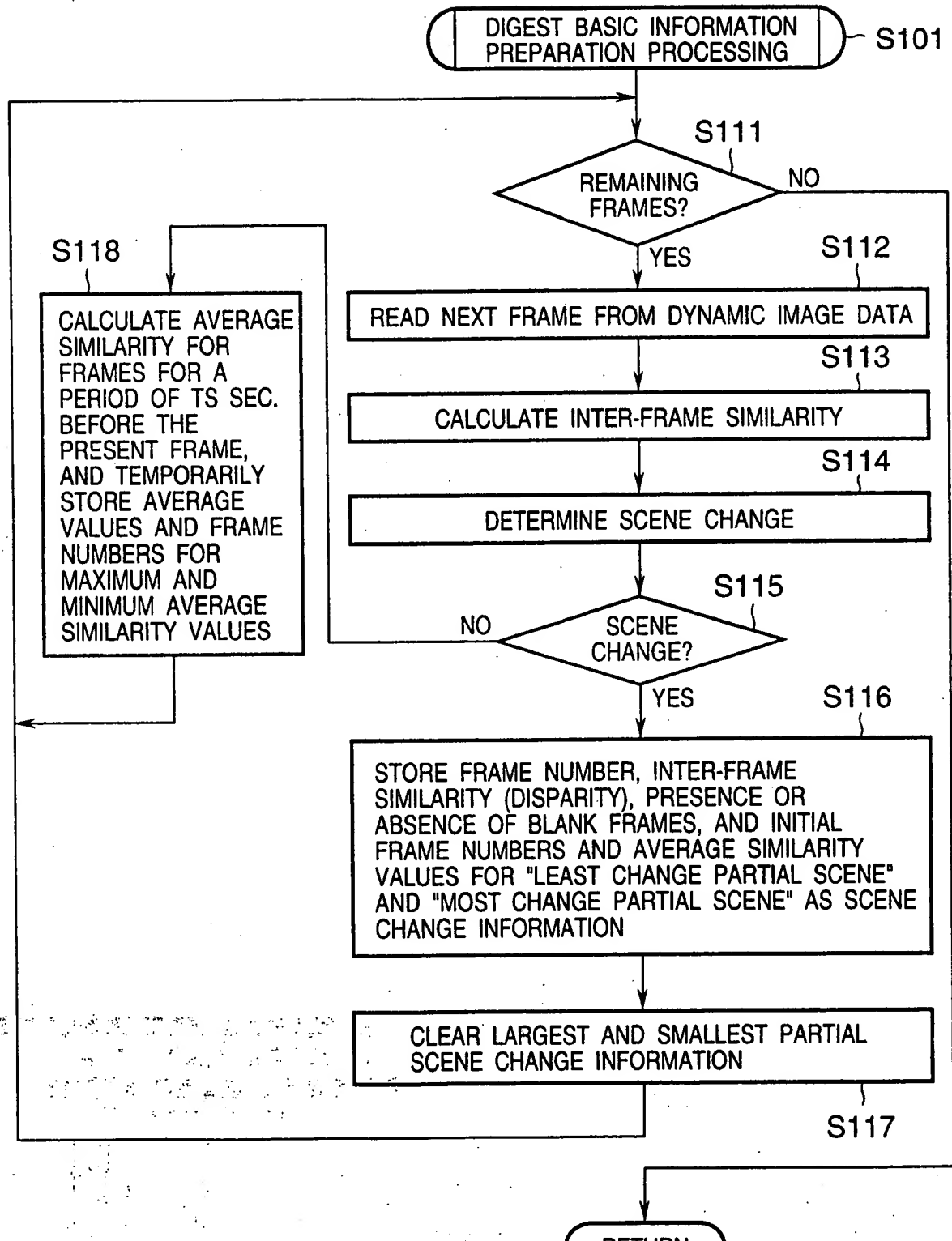
**FIG. 10**



000120-1800560

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FIG. 11



UNITED STATES

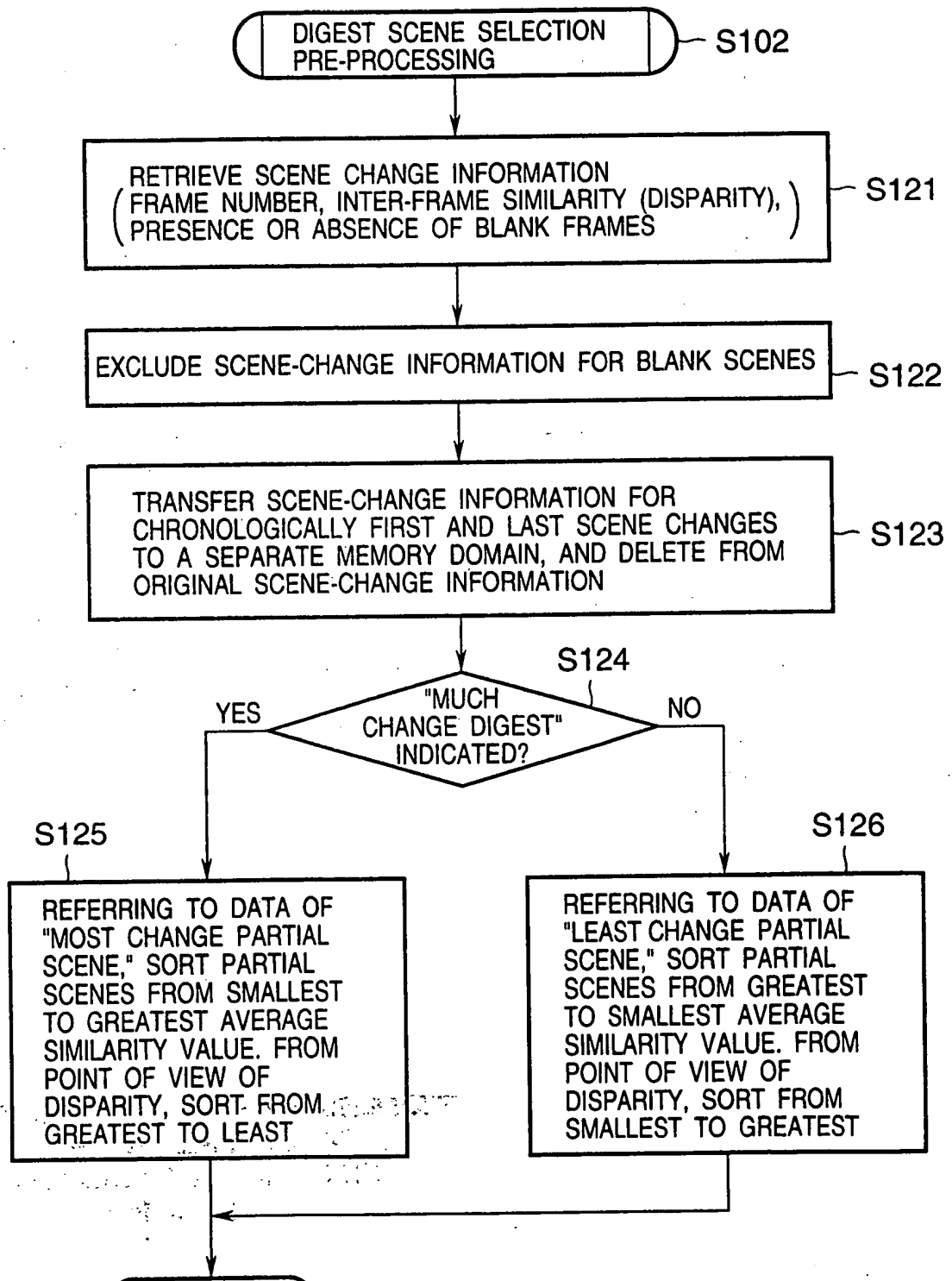
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CONFIDENTIAL

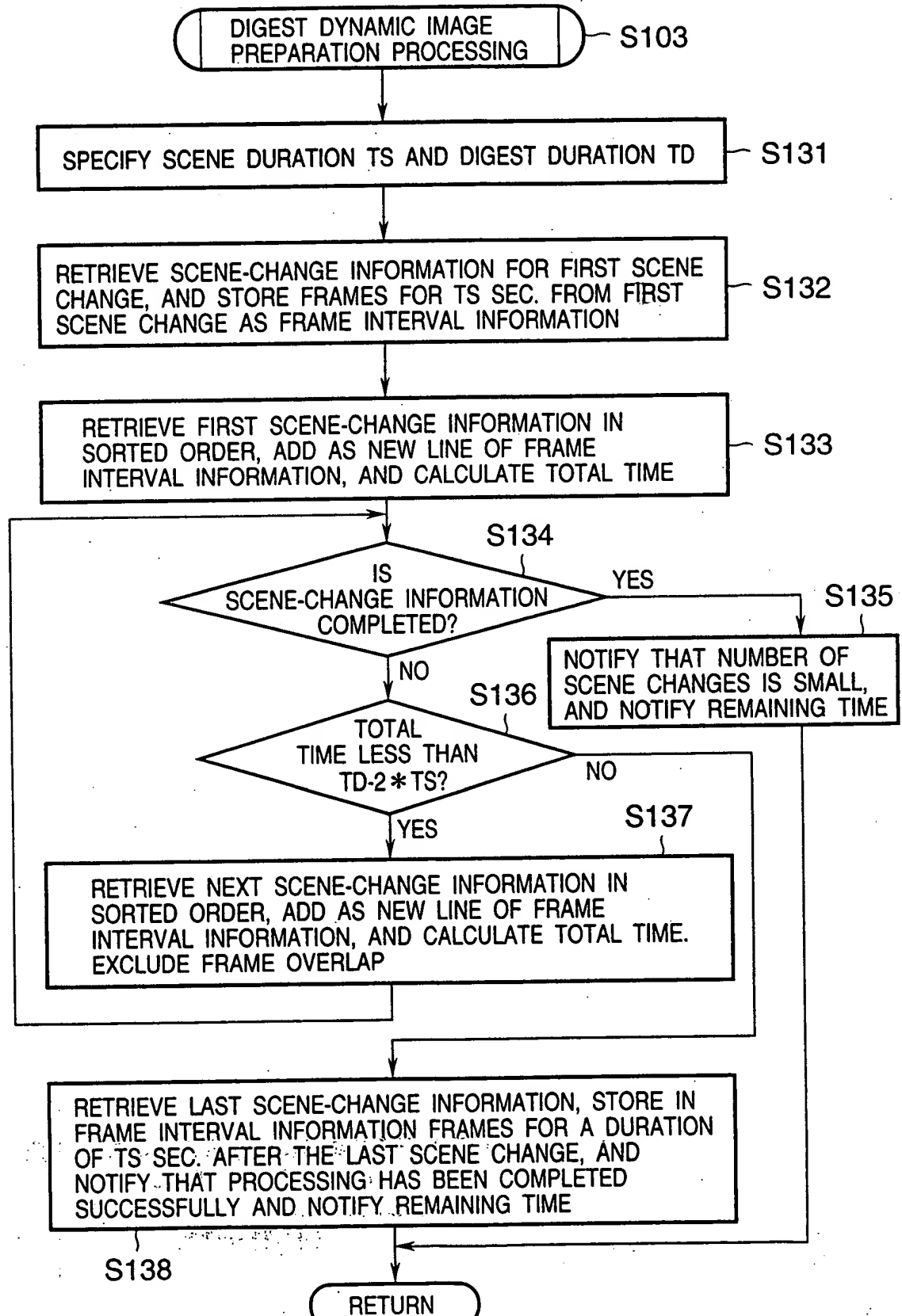
FIG. 12

| LINE<br>CHANGE | INITIAL<br>FRAME | FINAL<br>FRAME | MAGNITUDE | BLANK<br>FLAG | INITIAL FRAME<br>OF LITTLE<br>CHANGE<br>PARTIAL SCENE | AVG. SIMILARITY<br>OF LITTLE<br>CHANGE<br>PARTIAL SCENE | INITIAL FRAME<br>OF MUCH<br>CHANGE<br>PARTIAL SCENE | AVG. SIMILARITY<br>OF MUCH<br>CHANGE<br>PARTIAL SCENE |
|----------------|------------------|----------------|-----------|---------------|---|---|---|---|
| 0              | 0                | 99             | 100       | 1             | 50  | 95  | 80  | 65  |
| 1              | 100              | 159            | 50        | 0             | 110   | 87  | 130   | 70  |
| 2              | 160              | 350            | 80        | 0             | 300   | 99  | 170   | 60  |

FIG. 13



## FIG. 14

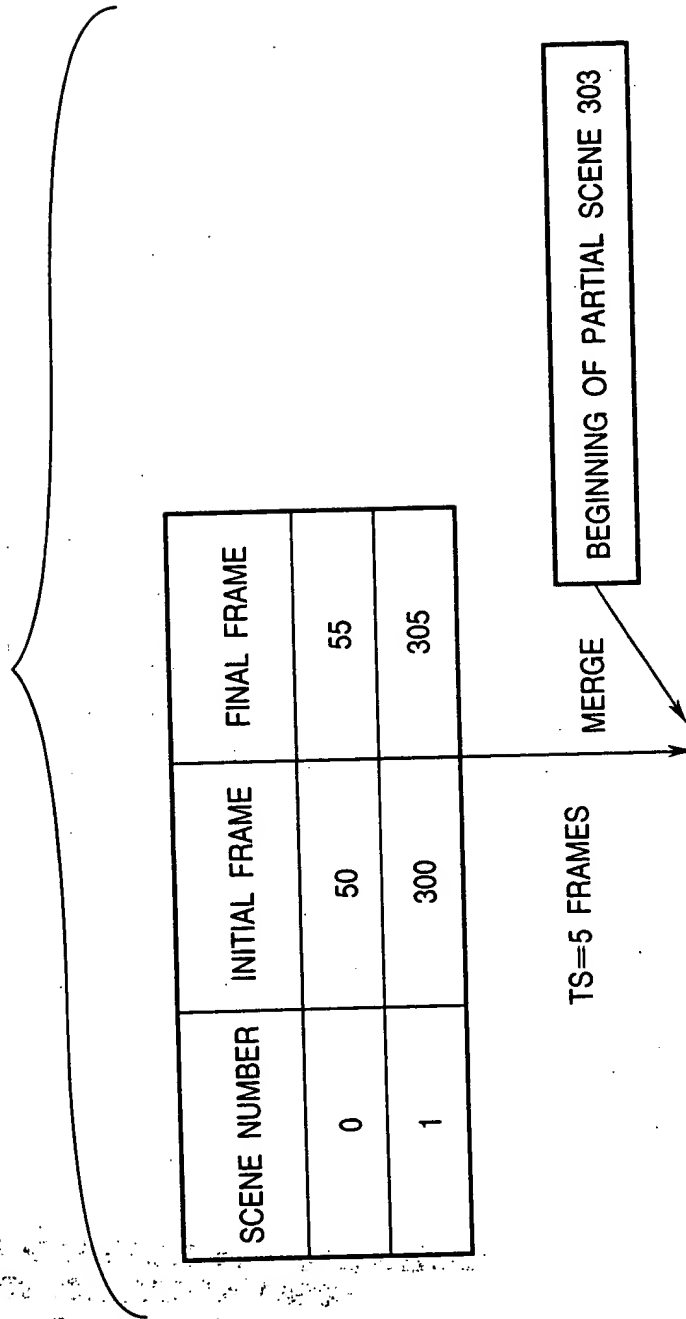


**FIG. 15**

| SCENE NUMBER | INITIAL FRAME | FINAL FRAME |
|--------------|---------------|-------------|
| 0            | 50            | 55          |
| 1            | 300           | 305         |

000000-000000

FIG. 16



| SCENE NUMBER | INITIAL FRAME | FINAL FRAME |
|--------------|---------------|-------------|
| 0            | 50            | 55          |
| 1            | 300           | 305         |

| SCENE NUMBER | INITIAL FRAME | FINAL FRAME |
|--------------|---------------|-------------|
| 0            | 50            | 55          |
| 1            | 300           | 308         |



FIG. 17

| SCENE NUMBER | INITIAL FRAME | FINAL FRAME |
|--------------|---------------|-------------|
| 0            | 50            | 55          |
| 1            | 300           | 305         |

TS=5 FRAMES

MERGE

BEGINNING OF SCENE CHANGE 110

| SCENE NUMBER | INITIAL FRAME | FINAL FRAME |
|--------------|---------------|-------------|
| 0            | 50            | 55          |
| 1            | 110           | 115         |
| 2            | 300           | 305         |

FIG. 18

